

Specification

Page 5, please replace paragraphs 1 and 2 with the following:

-- Referring now to Fig. 3 there is illustrated schematically an application indicating it is also possible to considerably shorten iterative processes in setting the measuring apparatuses, an example of which is a vessel 36 to be filled at the top by means of a pump 38 and emptied at the bottom via a discharge closed off by means of an adjustable valve 40, a measuring apparatus 42 dictating the material level in the vessel 36. From the simulation by means of the apparatus model memorized in the measuring apparatus 42 and loadable into the control unit 18 it can be recognized directly whether the pump 38, for example, supplies more material than is discharged via the valve 40 so that the valve 40 needs to be opened ~~already~~ at a lower material level. When this problem is "seen" in simulation and all relevant variables have been defined, the dimensioning thereof can be undertaken for the desired correct behaviour.

The apparatus models 20, 22, 24, 28 may also be used for simulation as independent simulation modules, e.e. held in a data base, it, of course, also being possible to memorize these apparatus models on data carriers which are loaded into the central control unit 18 ~~from the data carrier~~.